Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Topic: \_**Horsepower Lab** Score: \_\_\_\_\_\_\_\_\_\_/25 pts

**Lab Report Rubric Reports must be typed and printed.** *Due at beginning of class on due date. Each day late = minus one letter grade*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Exemplary | Accomplished | Developing | Beginning | Points |
| **Informative Title** |  |  |  |  |  |
| **Introduction** | * Includes purpose of investigation which clearly linked to title * Provides accurate background information which helps the reader understand key points of investigation * Accurately describes all variables, constants, and control group(s) of lab.   (4) | * Includes purpose of investigation which links to title * Provides accurate background information which helps reader understand key points of investigation * Describes the variables, constants, and control group(s) of lab   (3) | * Includes purpose of investigation * Provides some background information * Mention of variables, constants, and control group(s) of lab   (2) | * Mentions investigation * Isolated statements surrounding background information   (1) | /4 |
| **Hypothesis**  Format: *If…[IV changes]…then [DV changes]…because…”.* | Clearly and accurately states relationship between independent and dependent variables AND provides scientific reasoning to support the prediction.  (2) | States relationship between independent and dependent variables AND provides reasoning to support the prediction.  (1.5) | States variables and provides a prediction.  (1) | An attempt at a prediction is made.  (0.5) | /2 |
| **Materials** | ALL materials and quantities of materials listed (1) | Some materials and quantities of materials listed | Most materials listed | Some materials listed | /1 |
| **Procedure** | Step-by-step instructions written clearly **and** concisely in passive voice.  Steps may be numbered  (2) | Step-by-step instructions written clearly **or** concisely  (1.5) | Step-by-step instructions written | Some statements regarding instructions | /2 |
| **Data** | * Quantitative and qualitative data included * Accurate and appropriate data table with title * If applicable, labelled pictures of results   (4) | * Quantitative and qualitative data included * Data table with title   (3) | * A complete data table   (2) | * Some representation of data   (1) | /4 |
| **Discussion** | * Accurately and concisely summarizes data. Describes any trends or patterns (or lack thereof) * Discusses relationship between the results and the hypothesis and the background information on which the hypothesis was based * Compares and evaluates obtained data to a secondary source * Possible and known sources of errors explained and substantial improvements suggested * Includes answers to wrap up questions. Answers must reflect back on the question for clarity.   (5) | * Summarizes data. Describes any trends or patterns (or lack thereof) * Discusses relationship between the results obtained and the hypotheses * Compares data to a secondary source * Known sources of errors explained   (4) | * Summarizes data. * Discusses relationship between the results obtained and the hypotheses * Known sources of errors explained   (3) | * Summarizes data   (2) | /5 |
| **Conclusion** | * States whether or not the hypothesis was supported by the data AND provides data which supports statement * Clearly and accurately connects what was done and observed in the lab to a real-world example   (3) | * States whether or not the hypothesis was supported by the data * Connects what was done and observed in the lab to a real-world example   (2) | * States whether or not the hypothesis was supported by the data   (1) | * Mention of the hypothesis being supported   (0.5) | /3 |
| **Grammar, punctuation, spelling** | * All written in past tense and passive voice * All grammar, punctuation, spelling is correct. Subscripts/superscripts used properly (ex. CO2 - not CO2)   (1) | * Written in past tense and passive voice * Most grammar, punctuation, spelling is correct   (0.75) | * Written in past tense and passive voice * Some grammar, punctuation, spelling is correct   (0.5) | * Written in past tense and passive voice * Little grammar, etc., is correct   (0.25) | /1 |
| **Formatting and Works Cited** | * Entire document is MLA formatted. * ALL sources cited. Any class handouts used must be included. Wikipedia cannot be the only sources – need credible sources, too.   (1) | * Most of document is MLA formatted. * Sources cited, including class handout. Wikipedia cannot be the only sources – need a credible sources, too. (0.75) | * Some of document is   MLA formatted.   * Sources cited   (0.5) | * Some sources cited   (0.25) | /1 |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Topic: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Score: \_\_\_\_\_\_\_\_\_\_/25 pts

**Lab Report Checklist**

**Reports must be typed and printed.**

*Due at beginning of class on due date. Each day late = minus one letter grade*

* **Informative title** **\_\_\_\_\_\_\_/ 1pt**
* **Introduction \_\_\_\_\_\_/4 pts**
* **Hypothesis \_\_\_\_\_\_\_/2 pts**
* **Materials \_\_\_\_\_\_\_/ 1 pt**
* **Procedures \_\_\_\_\_\_\_/ 2 pts**
* **Data \_\_\_\_\_\_\_/ 4 pts**
* **Discussion \_\_\_\_\_\_\_ / 5 pts**
* **Conclusion \_\_\_\_\_\_\_\_\_\_/3 pts**
* **Question(s)** for further investigation**\_\_\_\_\_/ 1 pt**
* **Grammar, punctuation, spelling correct \_\_\_\_\_\_\_\_\_/ 1 pt**
* **Formatting and Works Cited\_\_\_\_\_/ 1 pt**